European Rubber Journal

Featuring Urethanes Today

Editorial Index to Volume 164 (Feb-Dec 1982)

Books

Automotive and Commercial Vehicle Plastics Markets ..... Mar 52
Developments in Rubber and Rubber Composites ..... Apr 58
Developments in Rubber Technology ..... Mar 51
Engineers and the work that people do ..... Jul 9
Engineers in industry ..... Mar 9, Mar 51
History of the Pneumatic Tyre Feb 12
Injection Moulding Materials . Mar 51
Insulation Handbook 1982 ..... Mar 51
Mechanics of Pneumatic Tyres Jul 39
Polymeric Surfaces for Sports and Recreation ... . Jun 141
Polyurethane Elastomers ..... Dec 42
Polyurethanes II ..... May 57
Powdered, Liquid and Thermoplastic Natural Rubbers: Proceedings of a UNIDO Symposium ..... Mar 51
Radiation Curing Buyer's Guide Feb 12
Rubber & Plastics News index Jul 39
Rubber Markets in Western Europe ..... Mar 22
Rubber Sheeting Guide ..... Mar 51
SIS Handbook 149 Rubber .... Jun 141

Companies

Ace Vulcanising — appointments ..... Sep 6
Akzo—Arenka investment ..... Sep 13
—US layoffs ..... Oct 7
Alenco Holdings—sold to Parker Hannifin ..... Feb 27
Alliance Tire and Rubber Co—financial reports ..... Oct 11
American Cyanamid—appointments ..... Dec 4
AMF International—appointments ..... Sep 6
Anchor Chemical—appointments ..... May 8, Jul 11
Andre Rubber—reorganisation Apr 26
—Thames flood barrier ..... May 32
ARCO Chemical Co—buys polyols from Union Carbide Jul 42
Arenka—foundation ..... Sep 13
Armstrong Rubber—financial report ..... Mar 24, May 22, Sep 11
ASEA—materials launch ..... Jul 40
Ashland Chemicals—closes plant in Swansea, Wales ..... Mar 30
—closes plant in California . May 20
—reduces range ..... Nov 10
Avon Rubber—financial report ..... Feb 26, Jun 24
—deal with Schofer Atlantic May 18
—development ..... May 18
—UK layoffs ..... Nov 5
Duncan Bamber Systems—appointments ..... Mar 14
Bandag—appointments ..... Feb 14, Jul 11
Battenfeld—PU expansion ..... Jun 24
Baxenden Chemical Co—appointments ..... Dec 4
Bayer—to make TPRs ..... Mar 21
—financial reports ..... Apr 14, May 25, Oct 18
—history ..... Apr 33
—shifts Silopren ..... Jul 13
—death of Otto Bayer ..... Sep 53
Bestobell—financial report .... Oct 13
Bombay Tyres International—Continental deal ..... Apr 19
Boras Gummifabrik—starts operating ..... May 24
Felix Bottcher—buys Harrigan Roller Co ..... Jul 13
BP Chemicals—appointments ..... Mar 14, Apr 11, Jun 10
Bridgestone—Pirelli solar panels ..... Feb 19
—Firestone deal ..... Feb 24, Mar 25, Nov 5
—financial report ..... Mar 17, Sep 12
—investment plans ..... Mar 26
—Australian promotion ..... May 24
—Iran suit ..... Jun 22
Briggs + Townsend—bought by Donald Macpherson ..... Mar 52
British Industrial Plastics Engineering—sold ..... Feb 27
British Vita—financial report .. Oct 7
BTR—appointments ..... Mar 14, May 8, Jul 11
—financial reports ..... Apr 26, Oct 13
Calatrava—overcapacity ..... May 21
Camberley Rubber Moulding—life-support systems ..... Oct 29
Caruba—Dutch tyre recycling ..... Mar 9, Mar 20, Dec 8
CEAT—Iraq cable contract .... Mar 17
—financial restructure ..... Jul 21
—layoffs ..... Nov 13
—Spanish cable contract ... Nov 13
Celanese—new Canadian plant May 15
Chamberlain Phipps—appointments ..... Mar 14
—buys Plus Products ..... Mar 28
Charterhouse Group—sells Napcolour/Alenco Holdings —appointments ..... Feb 27, Mar 14
Chronos Richardson—Polish order ..... Feb 25
Columbian Chemical Co—sells plant to Polysar ..... Nov 10
Compounding Ingredients Ltd —consolidation ..... Sep 13
Continental Carbon Co—reduces range ..... Nov 10
Continental Gummiwerke—appointments ..... Feb 26
—financial report ..... Mar 17, Jun 17, Jul 25, Sep 9, Dec 5
—sells tyres to Japan ..... Mar 23, Apr 38
—Bombay tyres agreement Apr 19
—aims at US lift truck market Apr 19
—silica tyre fillers ..... Apr 45
—US Technical Products Division ..... Jun 17
—interview with Chairman, Helmut Werner ..... Sep 18
—General Tire deal ..... Nov 11
—Uniroyal reshuffle ..... Dec 5
Cooper Tire & Rubber Co—financial report ..... Mar 24, May 22, Sep 11
—Pirelli agreement ..... Jun 25
CP Trim—Rimtech deal ..... Feb 59
Joseph Crosfield & Sons—new silica plant ..... Mar 22
—appointments ..... May 8, Sep 6
Croxton+Garry—appointments Feb 14
Dayco Corp—financial report . Mar 24
—suing Foreign Transactions Corp ..... Jun 13, Oct 10
Degussa—PQ Corporation deal Mar 23
—financial reports ..... Mar 25
Dow Chemical—appointments. Sep 6
Dow Corning—Kraiburg deal . Mar 23
Dowty—financial report ..... Oct 13
Dunlop—tyre history book ..... Feb 12
—footwear developments ... Feb 27
—closing Brynmawr, Wales, plant ..... Feb 32, Mar 28
—appointments ..... Mar 14, Apr 11, May 8, Jul 11, Sep 6, Dec 4
—Chinese liaison ..... Mar 17
—loses Malaysian contract . Mar 26
—plant design service ..... Apr 26
—SP Sport Super D4, D6 ... Apr 38
—financial reports ..... May 7, May 17, May 19, Jun 17, Oct 7
—SP Elite introduction ..... May 15
—D2, D7 ..... May 15
—SP4 ..... May 15
—Michelin Denloc agreement ..... May 15
—appoints Kwik-Fit Euro .... May 19
—French hose subsidiary ... May 19
—sells in Malaysia ..... Jul 15
—hosts to Chinese ..... Sep 13
—wheel-making expansion . Oct 13
—Malaysian tyre plans ..... Oct 16
—French takeover ..... Nov 5
—earthmover tyre job cuts . Dec 13
—French government loans . Dec 13
Du Pont—Hytrel sales ..... Feb 24, Jun 25
—Japanese Adiprene sales . Apr 14
—appointments ..... Jun 13
—Kalrez marketing ..... Jun 13
—Luxembourg Hytrel plant . Jun 25
—Dr Collins dies ..... Dec 4
Elka—Francis Shaw contract .. Apr 26
ENI—takes over SIR plants .... May 21
Enoxy Chemical—appointments ..... Feb 20
—ISR purchase ..... Apr 15, May 15, Jun 24, Nov 22
—working capital ..... Jul 13
—financial report ..... Jul 13
—job cuts ..... Sep 9
—UCE as distributor ..... Oct 14
—interview concerning marketing strategy ..... Nov 7
—history ..... Nov 22
European Rubber Journal—appointments ..... Jun 22
—100 years of history ..... Jun 28, Jun 29
—change of address ..... Oct 16
—contributors ..... Dec 9
Evco Seals—appointments .... Mar 14
Fabprene—expansion ..... Jul 13
Farrel Bridge—new laboratory Jul 24
Field Industries—financial reports ..... Oct 7
Firestone Tire & Rubber Co —US unions ..... Feb 21
—sells Philippine subsidiary Feb 23
—Bridgestone deal ..... Feb 24, Mar 25, Nov 5
—appointments ..... Apr 11, Jun 10, Jul 11
—Spanish loan ..... Apr 14
—Spanish cutbacks ..... Apr 27
—financial reports ..... Jun 21, Oct 10, Dec 5
—F-222 ..... Jul 24
—US plant closures ..... Sep 9
—quits emulsion SBR ..... Dec 13
FIT Gummiwerke—history ..... Apr 48
Ford Motor Corp—rubber involvement ..... Jun 63
Foreign Transactions Corp—sued by Dayco ..... Jun 13, Oct 10
Foster Wheeler Power Products —tyre recycling ..... Mar 17
Gummiwerke Fulda—appointments ..... Mar 14
—commercial vehicle tyre ... Mar 23, Apr 38
H. B. Fuller—buys Isar-Rakoll Chemie ..... May 15
—financial report ..... May 22
Gambo—to sell Sil-Med catheters ..... Dec 13
Gates Corp—buys Imperial Eastman ..... Jun 21
—opens German subsidiary Dec 5
Gates Hydraulik—establishment ..... Dec 5
Gates Rubber Co—appointments ..... Sep 6, Dec 4
General Tire & Rubber Co—sues Iran ..... Feb 22, Jun 22
—to shut Akron plant ..... Mar 17
—financial report ..... Mar 24, Jul 22, Oct 7
—cutting production ..... Apr 14
—Continental deal ..... Nov 11
—Nissan deal ..... Dec 13
Gislaved—US agent ..... Nov 5
B. F. Goodrich Co—US unions ..... Feb 21, May 22
—financial report ..... Mar 24, May 22, Sep 11, Nov 5
—appointments ..... Apr 11, Jun 10
—Belgian PU expansion ..... Apr 59
—Iran suit ..... Jun 20
—to sell plant to Shell ..... Jul 22
—Space Shuttle tyres ..... Oct 29
Goodyear Tire & Rubber Co—appointments ..... Feb 14
—US unions ..... Feb 21
—Mexican belting order ..... Feb 26
—financial report ..... Mar 24, May 22, Sept 11, Dec 13
—all-season truck tyre ..... Mar 30
—raises antioxidant/antiozonant prices ..... Mar 50
—wheel drag research ..... Apr 24
—car insurance discount .... Apr 26
—Osterhof dies ..... Jun 22
—blimps ..... Jun 76
—pulling out of motorcycle tyres ..... Jul 13, Sep 12
—UK layoffs ..... Jul 21
—US layoffs ..... Oct 7
—Nissan deal ..... Dec 13
Granpremier Products—sewer lining ..... Sep 51
Guthrie Corp—appointments . Apr 11
Harboro' Rubber Co—design booklet ..... Feb 12
Harrigan Roller Co—bought by

ERJ Index 1982

Bottcher ... Jul 13
Harrisons Malaysian Estates—financial report ... Oct 13
Helvoet—brochure ... Feb 12
Hercules—expands Dutch capacity ... Dec 5
Hoechst—controlling Tarragona Quimica ... May 25
Iddon Brothers—history ... Jun 98
Imperial Clevite—sells Imperial Eastman ... Jun 21
Imperial Eastman—bought by Gates Rubber Co ... Jun 21
Industrial and Trade Fairs—appointments ... Mar 14
International Auto Co—sets up Kuocho ... May 24
Irathane International—Middle East contract ... Apr 59
—appointments ... Sep 6
Isar-Rakoll Chemie—bought By H. B. Fuller ... May 15
ISR—sold to Enoxy Chemical ... Apr 15, May 15, Jun 24
Israel Petrochemical Enterprises—shuts blacks plant ... Dec 5
Japan Synthetic Rubber—cutting imports ... Jul 26
Johnson and Firth Brown—sells Briggs + Townsend ... Mar 52
J-Sil Silicones—appointments ... Jul 11
Kanegafuchi Chemical Industries Co—US plant ... Apr 27
Karsten Bech-Andersen Industriakustik—design booklet ... Feb 12
Keiper Automobile Technik—ships machinery to Italy ... Jul 42
Kelly-Springfield Tire Co—increasing radial production ... Nov 10
Keystone Tool and Die—cast PU subsidiary ... Oct 60
Kleber-Colombes—restructure ... Mar 30
—tyre outlook ... May 19
—financial report ... Jul 16
—new headquarters ... Jul 16
—abandons aircraft tyres ... Oct 11
—strategy ... Dec 10
—C1 tyre ... Dec 11
Klockner Ferromatik Desma—appointments ... Jul 11
Gummiwerke Kraiburg—Dow Corning deal ... May 23
Kuocho Rubber Co—set up ... May 24
Kwik Fit Euro—Dunlop deal ... May 19
Leigh Interests—tyre recycling ... Mar 17
LRC International—buys Napcolour ... Feb 27
—chairman resigns ... Oct 7
—UK sheath prices ... Dec 5
Donald Macpherson — buys Briggs + Townsend ... Mar 52
—financial report ... Jul 42
Maloya—profile ... Jul 27
Marine Rubber Co—cast PU subsidiary ... Oct 60
Masterfil—new company ... Mar 14
McNeil-Akron Inc—closing ... Jul 13
Mercer Rubber Co—bankruptcy ... Feb 32, Mar 19
Metallgesellschaft — mystery buying of NR ... Apr 16
Michelin—tyre research ... Feb 17, 18
—halts layoffs ... Apr 14, May 19
—financial report ... Apr 15, Jul 16, Nov 5, Nov 12
—Dunlop Denloc agreement ... May 15
—Bibendums ... Jun 76
—appointments ... Jul 11
—US and Brazil ... Jul 16
—Canadian plant ... Jul 22
—US motorcycle tyres ... Sep 12
—fights US unions ... Oct 7
—into aircraft tyres ... Oct 11
—retirement scheme ... Oct 11
—strategy ... Nov 12
Miles Redfern—closes factory ... Oct 13
Mohawk Rubber Co—financial report ... May 22, Sep 11
Monsanto—appointments ... Sep 6, Dec 4
Montedison—financial reports ... Nov 13
—speciality elastomers ... Nov 26
Montefluos—strategy ... Nov 26
Montepolimeri—strategy ... Nov 26
Naniwa Rubber Co—amino X-linking ... Apr 24
Northbridge—bought from TRW ... May 19
Parker Hannifin—appointment ... Feb 14
—buys Alenco Holdings ... Feb 27
Petroplast—establishment ... Oct 60
Phlex Mining Corp—buys Firestone subsidiary ... Feb 23
Phoenix Gummiwerke—financial report ... Apr 34
—Stahlflex 3011 VR ... Apr 38
Pirelli—international developments ... Feb 19
—solar panels ... Feb 19
—financial reports ... Feb 20, Apr 14, May 25, Jul 21
—Spanish loans ... Apr 14
—Tunisian plant ... Apr 24
—Swiss company ... May 24
—Cooper agreement ... Jun 25
—appointments ... Jul 11, Sep 11, Oct 7, Dec 4
—heavy vehicle tyres ... Nov 13
—profile ... Nov 30
Plus Products—bought by Chamberlain Phipps ... Mar 28
Polyair—LIM polyurethane tyre ... Sep 38, Dec 3, Dec 7, Dec 14
Polymer Equipment ... May 13
Polymer Laboratories—appointment ... Mar 14
Polysar—appointments ... Sep 6, Dec 4
—buys Columbian plant ... Nov 10
PQ Corporation—Degussa deal ... Mar 23
Resina Chemie—set up ... Jul 42
Retreading Equipment—new name, RE Tyre and Rubber Co ... Feb 27
RE Tyre & Rubber Co—ex-Retreading Equipment ... Feb 27
—appointments ... Mar 14
Rhein-Chemie Rheinau—renames products ... Nov 39
Rimtech—CP Trim deal ... Feb 59
Rubber & Plastics News—change of address ... Oct 16
Rubbermaid—financial report ... May 22
Rubber Recycling Limburg—Caruba dispute ... Dec 8
Saiag—financial report ... Nov 5, Nov 33
—strategy ... Nov 33
Sanyo Trading Co—amino X-linking ... Apr 24
Semperit—financial repor ... Apr 14
—state aid ... Jul 25
—restructure ... Nov 5, Dec 12
Sentrachem—SR expansion ... Jun 22
Francis Shaw—Yugoslav contract ... Apr 26
—financial report ... Oct 13
Shell—appointments ... Mar 14
—to buy Goodrich plant ... Jul 22
Sheller Globe—buys TRW Clifford ... May 19
Shofer Atlantic—Avon deal ... May 18
Sil-Med Corp—names Swedish agent ... Dec 13
Sim-Chem—Yugoslav PU plant ... Mar 52
SIR—ENI takes over plants ... May 21
Socabu—EP plant ... Dec 12
Stephenson Brothers—appointments ... Mar 14
Stratton Tire Corp—agent for Gislaved ... Nov 5
Sumitomo Rubber Industries—sets up Kuocho ... May 24
Chemische Industrie Synres—sets up Resina Chemie ... Jul 42
Tarragon Quimica—Hoechst control ... May 25
Taylor Engineering and Plastics—appointments ... Sep 6
—computer casing ... Sep 51
Texane—prizewinner ... Feb 14
TRW—sells Clifford ... May 19
Turner & Newell—sells Bipel ... Feb 27
Tyre Retreading (Scotland)—new factory ... Apr 26
Tyroysis—tyre recycling ... Mar 17
Union Carbide—sells polyols to ARCO ... Jul 42
—appointments ... Dec 4
Unione Chimica Europea—Enoxy distributor ... Oct 14
Uniroyal—Italian distributors ... Feb 20
—US unions ... Feb 21
—appointments ... Mar 14, Jun 10
—financial report ... Mar 24, May 22, Sep 11, Dec 13
—Manuli sets up British company ... May 18
—reorganises exports ... Oct 10
—European reshuffle ... Dec 5
R. T. Vanderbilt—Far East expansion ... Feb 23
Vulnax International—appointments ... Mar 14
Wacker Chemie—appointments ... Mar 14
Weir Group—appointments ... Mar 14
Woodville Polymer Engineering—appointments ... Apr 11
Yokohama Rubber—financial report ... Mar 17, Oct 16
—energy saving ... Apr 24
—helicopter fuel tanks ... Oct 7

Conferences and exhibitions

American Chemical Society Rubber Division's 121st meeting ... Jun 4
Australian Rubber Technology Convention ... Jul 10
Automotive News World Expo ... May 20
Chinaplas 83 ... Oct 5
Deutsche Kautschuk Gesellschaft dkt 83 ... Feb 15, Sep 4
Euromap—circuit comment ... Feb 5, Nov 3
—row erupts ... Feb 19
European Conference on Flammability and Fire Retardants ... Oct 5
Europlastique/International Rubber Conference ... Mar 7, May 29, Jun 13
Europur—PUs in a Changing World ... Jul 10, Sep 49
Hungaroplast 83 ... Sep 4
Incheba 82 ... Feb 15
Indian Rubber Manufacturers Research Association's 12th conference ... Jul 10
Institution of Production Engineers' adhesives seminar ... Nov 4
International Institute of Synthetic Rubber Producers' 23rd conference ... Mar 7, May 17, Jun 20
International Rubber Exposition and Educational Conference in Houston, Texas ... Dec 38
International Tyre Dealers, Vulcanisers and Retreaders Trade Fair ... Apr 13
International Union of Pure and Applied Chemistry—Macro 83 ... Nov 4
Italian Rubber Association—adhesives conference ... May 21
—additives/fillers conference ... May 21
London School of Polymer Technology short course ... Mar 7, Nov 4
Macplas 82 ... May 21, Sep 4, Nov 3, Nov 19
Manchester Polytechnic short course ... May 13
Malaysian Rubber Research and Development Board earthquake conference ... May 25
National Tire Dealers and Retreaders Association/Rubber Manufacturers Association scrap tyre conference ... Jun 10
Offshore Goteborg 83 ... Nov 4
Plastics and Rubber Institute—general rubber goods conference ... Feb 15
—national conference ... Feb 15, Mar 7, Apr 13, Dec 13
—fatigues in polymers conference ... Apr 13
—electrical conductivity conference ... May 13
—radiation processing conference ... May 13
—Polyurethanes in a Changing World ... Jul 10, Sep 49, Nov 42
—Rubber in Offshore Engineering ... Jul 10
—crosslinking conference ... Sep 4
—continuing education programme ... Oct 5
—polymers in contact with water ... Nov 4
—health and safety conference ... Nov 4
—mouldmaking symposium ... Dec 4
Polycon 82 ... May 13
Polymex 82 ... May 13, Jun 10
Polyurethane Manufacturers Association—spring meeting ... Feb 15, Mar 7, Jun 146
—Mining PU opportunities ... Sep 46
Rubberplas 82 ... Feb 30, 31, Mar 27, Apr 21, 22
Rubberplas 84 ... Sep 84
Rubber Trade Association annual meeting ... Mar 27
Salone della Gomma ... Feb 15
Scandinavian Rubber Conference ... Oct 5
Sitev 82 ... Apr 13
Sitev America 82 ... Apr 13
Society of the Plastics Industry PU conference ... Oct 5
State of the Art software conferences ... Oct 5
Sveriges Gummiteknisa Forening annual meeting ... May 24
Transchem IX ... May 13

Health and safety

Safety publications ... Mar 11
Soviet biorhythm research ... Mar 40
Vulcanisation fume hazards ... Mar 46
German progress ... Apr 45
Fire-resistant aircraft seat cushions ... Apr 59
British health and safety leaflet ... Jul 39
Isocyanates ... Sep 9, Sep 41, Sep 48, Nov 42, Dec 42
Flexible PU foam ... Sep 48
Aircraft tyres ... Oct 3, Oct 9
Chemicals legislation ... Nov 39

History

What is rubber? ... Feb 10
"The history of the pneumatic tyre" ... Feb 12
Growth of Bayer ... Apr 33
FIT Gummiwerke ... Apr 48
European Rubber Journal—a 100-year history ... Jun 28, 29
The struggle to make rubber useful ... Jun 45
The drama of natural rubber ... Jun 50
Rubber trees ... Jun 55
Vulcanisation ... Jun 56, Jun 64
Tyres ... Feb 12, Jun 56, Jun 83, Jun 85, Jun 87
Synthetic rubber ... Jun 58
Speciality rubbers ... Jun 61
Ford's involvement ... Jun 63
Chemistry ... Jun 64
Guayule ... Jun 69
Latex ... Jun 74
Machinery ... Jun 92, Jun 97, Jun 98
RAPRA ... Jun 102
Rubber Manufacturers Association ... Jun 106
American Chemical Society Rubber Division ... Jun 109
Plastics and Rubber Institute ... Jun 112
Rubber's leading scientists ... Jun 115
Research and testing ... Jun 123
The first published paper on rubber ... Jun 133
United Rubber Workers ... Jun 139
Mixing ... Jul 29

International news

International Natural Rubber Agreement ... Feb 25, May 25, Jul 15
World rubber prospects ... Apr 6, Apr 22
Comment on effects of recession ... May 7

International—SE Asia

Markets ... Feb 30
Call for NR cutback ... Nov 10

International—Europe

US view of tyre prospects ... Feb 23
Markets survey ... Mar 22
SR consumption ... Mar 23
Auto parts requirements ... Apr 25
Urethane markets ... Sep 24
Chemicals legislation ... Nov 39

International—Belgium

Rubber market ... Jun 25

International—China

Plantation developments ... May 23
NR imports ... Sep 13

International—Denmark

Tyre market ... May 20
Investment in Malaysia ... Oct 16

International—France

Tyre market ... Feb 20, May 19, Jul 16
Car market ... May 19
Government employment policies ... Mar 18

International—Germany

Rubber market ... Apr 28, Apr 34
Tyre market ... Apr 36
Tyre prices up ... Apr 14
Vehicle registrations ... May 25
Sets up DIK ... Apr 32
Focus on Germany ... Apr 28-53
Machinery ... Apr 39
Materials ... Apr 45

ERJ Index 1982

Polyurethane developments ... Apr 50
PU machinery ... Apr 53

International—Holland

Scrap tyre recycling ... Mar 7, Mar 20, Dec 8
Tyre market ... Mar 21

International—India

NR shortfall ... Jun 13
Government aid ... Oct 14
Railway rubber unit ... Dec 5

International—Indonesia

Seeks finance for plantations ... May 23, Jul 13

International—Israel

Carbon black plant shuts ... Dec 5

International—Italy

Effects of recession ... Feb 19
Industry overview ... Nov 15
Tyre market ... Feb 19, Nov 15, Nov 30
Tyre retreading ... Nov 28
Rubber market ... Apr 18, Nov 15
SR industry ... Nov 22
Machinery ... Nov 23

International—Ivory Coast

NR production ... Sep 16

International—Japan

Tyre market ... Feb 24, Apr 6, May 24
Finance for Soviet butadiene plant ... Apr 27

International—Malaysia

Promotion for SMR GP ... Mar 26
Manufacturing incentives ... May 23
Latex shipping ... May 23
Rubber production ... May 27
US export drive ... Jul 22
Danish investment ... Oct 16
Tyre capacity too high ... Oct 16
Sheep to control weeds ... Oct 16
Tapping holiday ... Oct 16

International—Poland

Hose manufacture ... Feb 25

International—Spain

Limit on SR imports ... May 21
Consumption drop ... May 21

International—Sweden

New tyre company ... May 24
Tyre market ... Oct 18

International—Switzerland

Tyre market ... Jul 26

International—UK

Tyre repair standards ... Feb 12
Substandard tyre regulations ... Apr 14
Call to destroy reject tyres ... Apr 17
Mystery rubber purchases ... Apr 16
Profitability of rubber companies ... Sep 14

International—USA

Union relations ... Feb 21
Government research funding ... Feb 23
Tyre market ... Feb 32
Guayule boost ... May 25
Urethane prospects ... Jun 146
Butadiene cut back ... Oct 10
Rubber consumption drops ... Nov 10

International—USSR

SR plant explosion ... Dec 5

Machinery—Ancillary

Model 6A MkII ... Mar 49
guillotine brochure ... Jul 39
—Blackfriars Model 525 ... Nov 41
Cutting presses—Cox & Wright ... May 53, Dec 35
Extrusion ancillaries—Peter Gillard 404 guillotine ... Mar 49
—Versa Machinery downstream equipment ... Jun 142
Heaters—Eltron drum heaters ... Apr 57
—Raytheon preheaters ... Apr 57, Nov 41
Materials handling
—Automation ... Jul 34
—Darenth Micro Ingredients Controller ... Apr 57
—Gough de-palletiser ... Oct 55
—Mayer, Hannef powdered rubber handling ... Apr 42
Process control—Northern Design Electronic Engineers mixer instrumentation ... Oct 55
—Reglopas ... May 31
—Werner & Pfleiderer PKS20 ... Apr 42
Reclaim—Bel-Tyne Co size reduction ... Jul 41
—Fogg & Young guillotine ... Nov 41
—Hiltcroft Energy Conservation Cyclone incinerator ... Dec 35
—Leesona ... May 31
—Pallmann Plast-Agglomerator ... Nov 41
Roll grinding—Curtin-Herbert 711 Press Blanket Grinder ... Dec 35
—Duplex Electric Tools ... Feb 48
Screws barrels—Axon Plastics Machinery replacement screws ... May 53
—Brookes (Oldbury) resleeving ... May 53
Test equipment—Adtal Measments 2001 probe thermometer ... Apr 57
—Auriema instrument hire ... May 53
—Balteau Sonatest ultrasonic tester ... Nov 41
—Brabender: Swelltest thickness measurement ... Sep 58
—flowability tester ... Sep 58
—Bright Instrument Co Cryostat ... Jul 41
microtome ... Jul 41
—Carter-Land infra red thermometer ... Apr 58
—Du Pont Dynamic Mechanical Analyser ... Dec 35
—Elcometer 255F coating thickness gauge ... May 53
—Eloptricon Dispergator dispersion tester ... Jun 142
—Kent Industrial digital thermometer ... Apr 57
—Lhomargy tensile tester ... Apr 57
—Lloyd T50K tensometer ... Jul 41
—Monsanto ... May 30
—Schott-Gerate AVS 300 viscometer ... Nov 41
—Shore hardness tester ... Sep 58
—Sirius Instruments Thermospot radiation thermometer ... May 53
—Teledictor 2000 thickness gauge leaflet ... Jul 39
—Testometric M Series tensile tester ... Mar 49
—Trelleborg V-belt rig ... Jul 41
—Zellweger Uster cable testing instruments ... Oct 55
Tool cleaning ... Oct 41
—Guyson International T5 ... Mar 49
—Metal Treatment Specialists Biox ... Oct 55
Tool coating ... Oct 41
—PFD ... Feb 48
—Selectrons plating process ... Dec 35
Tool making—Mecrode EDM ... Nov 41
Tool protection ... Oct 41
—Dow Corning Molykote metal protector ... Mar 49

Machinery—Primary

Emhart Farrel brochure ... Feb 12
German manufacturers ... Apr 39
History ... Jun 92, Jun 97, Jun 98
Italian manufacturers ... Nov 23
To restore or replace? ... Dec 29
Blow moulding—Battenfeld ... May 29
Calenders—EMS ... May 31
Compactors—Sikoplast ... Apr 42
Extruders—Barwell ... May 30
—Berstorff ... Apr 42, May 30
—EMS ... May 31
—Krupp shearhead ... Apr 42
—Troester ... Apr 42
—Werner & Pfleiderer Kombiplast KP100 ... Feb 48, Apr 42
Foam dispenser—Spuhl ... May 31
—Viking Engineering VIK 7/12 ... Feb 63
Injection moulding—RIM machinery ... Sep 27
—mould design ... Oct 38
—Battenfeld ... May 29
—Billion ... May 31
mould assembly ... Dec 35
—Biraghi Rubbermatic iV ... Oct 55
—Dieffenbacher Universal ... Apr 42
—GKN Windsor ... Apr 42
—REP ... May 31
—Werner & Pfleiderer ... Apr 42, May 30
Liquid injection moulding—Battenfeld ... May 29
—Dopag Duo-Mix/Trio-Mix dispenser ... Oct 55
Mills—EMS ... May 31
—Stankopress two-roll mills ... Apr 57
Mixers—The legend behind the Banbury ... Jun 97
—EMS ... May 31
—RAPRA cavity transfer mixer ... Jul 29
—Werner & Pfleiderer rotor design tests ... May 30, Mar 33
Presses—Bipel vacuum chamber ... Feb 48
—Becker & van Hullen mat press ... Jul 41
—Daniels 250-tonne shuttle press ... Mar 32
—Mackey Bowley Europress ... Oct 55
—REP ... May 31
—Sennerskov ... Feb 48
PU dispensers—European machinery ... Sep 27
—Admiral ... Sep 28
—Afros-Cannon ... Sep 27
—Battenfeld ... May 29
—Desma ... Sep 28
—Elastogran ... Apr 53, Sep 31
—Gusmer Corp's Little Big Shot ... Oct 60
—Hennecke ... Apr 53, Sep 28
—Impianti OMS ... Sep 31
—Kent Moore Pyles Division 2700, 2716 ... Oct 62
—Krauss Maffei ... Apr 53, Sep 31
—Polymer Equipment Aplicator IP8000 ... Feb 63
Eurothane HE2 ... Jul 43
—Pylon Developments Eurothane 400 ... Sep 58
—Spuhl ... Sep 28
—Synthetic Applications 6000E ... Dec 42
—Viking Engineering ... Sep 31
Tyre machinery—EMS ... May 31
—Hitachi automatic tyre-equipping system ... May 24
—RE Tyre & Rubber Co Mk9 buffer/peeler ... Apr 57
Vulcanisation—Mastroianni salt bath ... Feb 48
—Magnetronics microwave ovens ... Mar 49

Materials

Accelerators—Bayer Vulkacit CRV ... Apr 46
—Monsanto Santocure MOR ... Feb 12
—Vulnax Vulcaperl ... Mar 50
Additives (unspecified)—Migration in vulcanisates ... Jun 144
—Kettlitz-Chemie range ... Apr 58
—Robinson Brothers ROBAC PM and WX ... Apr 58
—John & E Sturge CRI-Spersions ... Apr 56
—Vulnax range ... Apr 58
—Wyrough & Loser Poly-Dispersion ... Mar 50
Adhesives—Cyanon cyanoacrylates ... Mar 50
—Goodyear Plogrip ... Oct 54
—Latent Bondings crosslinking system ... Oct 54
Antioxidants—Soviet research ... Feb 50
—Lowi Lowinox 22CP46-MD ... Jul 40
—Monsanto Flectol ... Feb 12
—Vulnax Permanax B ... May 55
Antiozonants—Soviet research ... Mar 40
—Monsanto Santoflex 13 ... Feb 12
Anti-tack agents—American Colloid Hi-Slip ... May 55
Azo initiator—Sternic Chemicals M5 ... Sep 56
Biocides—Chemviron Tektamer 38 ... May 55
Bonding Agents—Compounding Ingredients
Thixon OSN-2 ... May 55
Thixon P4 ... May 55
Cleaning agents—Cee Bee C105 HF ... Mar 50
—Elton Sales Release Cote ... Dec 33
—Guyson International T5 ... Mar 49
Coagent—Colorado Chemical Specialities Ricon 151 ... Dec 33
Conductivity—Degussa Corax L6 ... Apr 46, Apr 56
—Silicone rubbers ... Nov 36
—Transmet Corporation K-100 ... Apr 56
Crosslinking agents—amino developments ... Apr 24
—ASEA CLI indicator ... Jul 40
—Degussa TAC ... Apr 46
Curing—Soviet research on metal oxides ... Mar 41
—bone derivatives ... May 42
Deflashing media—MaxiBlast ... Feb 49
EPDM—chlorination ... Sep 54
—improved surface curing using Luperox Luchem AT ... Oct 54
Feedstocks—fossil fuels ... May 35
Fillers—reinforcement ... Apr 6, Jun 144
—silica vs. carbon ... Apr 45
—blacks from pyrolysis ... Dec 20
—ground tyre scrap ... Dec 24
—ASEA Yxtender ... Jul 40
—Croxton + Garry ... May 55
—Degussa Corax L carbon black ... Mar 50, Jul 40
—Freeport china clay ... Mar 50
—Hoffman Sillitin ... Jun 141
—Monsanto Santoweb W ... Nov 39
—Phillips Petroleum Philblack data sheets ... Jul 39
Flame retardants—Bayer Silopren Additive FS-1 ... Mar 50, Apr 46
—Omya Noflam ... Apr 45
Fluorocarbon rubber—Dowty Seals 9712 ... Oct 54
Friction resistance—Soviet research ... Apr 55, Oct 53
Impregnating fluid—Degussa 5140 ... Nov 39
Inks—Eagle Transfers Fuson ... Dec 33
Isoprene—UV-induced creep ... Sep 54
Lacquers—Soviet Research ... May 50
Latex—new forms ... Mar 44
—history ... Jun 74
Low temperature resistance—Soviet research ... Feb 51
Natural rubber—future prospects ... Feb 33, Jun 20, Jul 8
—technical developments ... Feb 33, Feb 43, Apr 5
—research ... Feb 40
—source chemistry ... Apr 5
—not represented at Rubberplas ... Apr 22
—vs. SR ... Jun 20
—history ... Jun 50, Jun 55
—reduced quotas ... Jul 15, Sep 9
—Chinese imports ... Sep 13
—Ivory Coast ... Sep 16
Nitrile—thermal vulcanisation ... Apr 55, Oct 4
—XNBR ... Nov 36
—effect of surfactants ... Mar 51
—BP Breon ... Mar 51
Olefin-oxide polymers—Soviet research ... Feb 51
Peptisers—Schill & Seilacher Struktol A86 ... Dec 33
Pigments—Krahn-Chemie Epocolour ... Mar 23
Plasticisers—Bayer Vulkanol 81, 90 ... Apr 46
Polychloroprene — molecular mass testing ... Jul 38
—Bayer Baypren ... Apr 58
Polyester elastomer—Du Pont Hytrel ... Feb 24
Polyether block amide—ATO Pebax ... Feb 49
Polyolefins—radiation crosslinking PE composites ... May 50
—ASEA ETelastomer-grafted polyethylene ... Jul 40
—Bayer CM4231 CPE ... Jul 40
Powdered rubbers ... Jul 9
—processing ... Feb 53
—mixing ... Jul 37
—moulding ... Oct 31
PVC modifiers—Goodyear Chemigum Powder ... Nov 39
Release agents—Compounding ingredients Easilease 406, 449 tyre release ... Mar 50, Apr 56

ERJ Index 1982

—Elton Sales Release-Cote . Dec 33
—Henkel Sipiol ..... May 55
—Hochner Hoco range .... Dec 42
Scented materials ..... Sep 14
Self-sealing—Soviet research ..... Mar 40
Silica—Degussa Sipernat 50 . Oct 54
Silicone rubbers ..... May 10
—conductivity ..... Nov 36
—Bayer Silopren ..... Sep 56
—J-Sil Silicones C2100 ..... May 55
Siloxane block copolymers—Soviet research ..... Mar 41
Stearates—Faci zinc stearate . May 55
Surfactants—effect in nitrile . Nov 36
—BP Chemicals SE-232 silicone ..... Feb 12
Synthetic rubber—vs. NR .... Jun 20
—future prospects ..... Jun 20, Jun 21
—history ..... Jun 58
Thermoplastic rubber ..... Mar 11, May 9
—anti-ozone research ..... Mar 40
—Bayer Levaflex EP ..... Mar 21, Apr 56
—London Artid Plastics Lapthene ..... Jun 141
—Monsanto Santoprene ... Apr 56
—Phillips Solprene 484 ..... Feb 49
—Uniroyal Royalite R90 ..... Nov 39
Urethanes—TPR fatigue life . Feb 52
—PUs with no diisocyanates ..... Mar 39, Oct 57
—dielectric properties ..... Mar 53
—German developments ... Apr 50
—weathering properties ... Apr 55
—controlling properties ... Apr 60
—high modulus RIM ..... May 58
—isocyanate safety research ..... Sep 9, Oct 57, Nov 42, Dec 42
—urethane developments .. Nov 42
—European markets ..... Sep 24, Sep 27
—science: basics and RIM . Sep 33
—isocyanate legislation ... Sep 41, Sep 48, Oct 57, Nov 42, Dec 42
—image of flexible foam ... Sep 48
—new foaming technology . Nov 42
—catalysts ..... Nov 42
—MDI flexible cold cure foams ..... Nov 44
—Air Products DABCO catalysts ..... Oct 62
—Akzo diisocyanates ..... Feb 60
—Du Pont Adiprene M MDI Oct 62
Vulcanisates—migration of additives ..... Jun 144
—anisotropy ..... Oct 53
—Durham Chemicals Novor 924 ..... Nov 39

Organisations

Airlet—function ..... Nov 26
American Chemical Society Rubber Division—history .. Jun 109
—Goodyear medal ..... Nov 10
Association of Natural Rubber Producing Countries—NR restriction proposal ..... Jul 15, Sep 9, Oct 16
Association of Plastic Manufacturers in Europe—isocyanates ..... Sep 41
Assogomma—function ..... Nov 26
British Rubber Manufacturers Association—isocyanate research ..... Sep 9
Cense—function ..... Nov 26
Deutscher Institut fur Kautschuktechnologie establishment ..... Apr 32
Elastomeric Urethanes Group —development ..... Jun 145
—new name ..... Sep 46
Europur—foam image ..... Sep 46
FULC—CEAT lay offs ..... Nov 13
Imported Tyre Manufacturers Association—appointments Apr 11
International Natural Rubber Organisation—extension of ratification deadline ..... Mar 17, Apr 16
—criticism from Far East .. Mar 17
—NR buffer stock ..... Jun 15, Jul 15, Sep 11, Oct 16, Dec 9
—International Natural Rubber Agreement ..... Feb 25, May 25, Jul 15
—Riedl resigns ..... Dec 9
Italian Association of Tyre Retreaders ..... Nov 28
London School of Polymer Technology—opening ..... Jul 24

Plantations

Early days ..... Jun 50
Trees ..... Jun 55
Guayule ..... Jun 69, Jul 8

Processing

Automation developments ... Feb 11, Jul 34, Sep 27
Energy saving ..... Mar 10
—UK conferences ..... Apr 13
—Yokohama Rubber achievements ..... Apr 24
—Thermographic Engineering Services thermal efficiency surveys ..... May 53
—in moulding ..... Oct 39
—RAPRA gas mould ..... Oct 39
Extrusion ..... May 10
Hose manufacture—Polish developments ..... Feb 25
Materials handling —automation ..... Jul 34
Mixing—rotor design ..... Mar 33
—RAPRA cavity transfer mixer ..... Jul 29
—history ..... Jul 29
—powdered rubber ..... Jul 37
Moulding ..... May 10
—"Injection moulding materials" ..... Mar 51
—high modulus RIM ..... May 58
—Battenfeld Combiform process ..... Jun 142
—RIM developments ..... Sep 27, Sep 33
—Review ..... Oct 27
—latest trends ..... Oct 30
—liquid injection moulding May 10
—mould design and manufacture ..... Oct 34
—cutting energy costs ..... Oct 39
—mould maintenance ..... Oct 41
—mould release ..... Oct 47
—multiple injection ..... Oct 49
Natural Rubber ..... Feb 35, Feb 43
Powdered rubbers ..... Feb 53
—mixing ..... Jul 37
—moulding ..... Oct 31
Radiation curing—buyer's guide ..... Feb 12
Testing—quality control ..... Feb 11, Oct 4
—ASTM publications ..... Feb 12
—R&D history ..... Jun 123
—measuring strength of rubber/metal bond ..... Jul 37
Malaysian Rubber Research and Development Board—award for Sekhar ..... Apr 11
—encouragement for manufacturers ..... May 23
National Association of Smallholders of Malaysia—tapping holiday ..... Oct 16
—call for NR cutbacks ..... Nov 10
National Tyre Distributors—appointments ..... Jun 10
Plastics and Rubber Institute—elections ..... Mar 14
—urethanes prize ..... Apr 59
—Colwyn Medal ..... May 8, Dec 13
—retirement of Dick Craven May 10
—history ..... Jun 112
—Prince Philip Award ..... Jul 10
—appointments ..... Jul 11
—award for Buist ..... Jul 11
—Urethanes Medal ..... Sep 49
—Swinburne Award ..... Dec 13
—Hancock Medal ..... Dec 13
—Best Paper Award ..... Dec 13
Polymer Engineering Directorate—future ..... Jul 7, Jul 23
Polyurethane Elastomer Group —ex-EUG ..... Sep 46
—visit to PMA ..... Dec 37
Polyurethane Manufacturers Association—directory ..... Jul 39
—design competition ..... Sep 45
Rubber and Plastics Processing Industry Training Board—microprocessor research Mar 11
Rubber and Plastics Research Association—Dr J. R. Scott retires ..... Feb 14
—microprocessor research Mar 11
—history ..... Jun 102
—PED involvement ..... Jul 7, Jul 23
—financial report ..... Jul 13
—enquiry bureau ..... Jul 13
—cavity transfer mixer ..... Jul 29
—isocyanate research ..... Sep 9, Oct 57
—publishing deal ..... Sep 14
—gas-heated mould ..... Oct 39
Rubber Manufacturers Association—history ..... Jun 106
Science and Engineering Research Council—future of PED ..... Jul 7, Jul 23
Swedish Rubber Federation—death of Christopher Nordenskjold ..... Mar 19
Tekniska SGF—examination successes ..... Jun 24
United Rubber Workers—US tyre companies ..... Feb 21, May 22
—history ..... Jun 139
—Michelin fight ..... Oct 7
—standards ..... Jul 39
Urethanes—controlling properties ..... Apr 60
—automation ..... Sep 27
—RIM ..... Sep 27, Sep 33
—recovering PU components Dec 40
Vulcanisation—salt bath ..... Feb 48
—effects of temperature ... Feb 51
—metal oxides ..... Mar 41
—history ..... Jun 56, Jun 64

Products

Aerospace—hose standard .. Mar 51
—fire-resistant PU seat cushions ..... Apr 59
—Yokohama helicopter fuel tanks ..... Oct 7
—rubber in space ..... Oct 29
Agriculture—Creataform pig waste disposal ..... May 57
Automotive — Chase-Walton Elastomers turbocharger hoses ..... Mar 50
—use of PU ..... Mar 52, Apr 50, Sep 27, Sep 46, Oct 62, Nov 42
—European parts requirements ..... Apr 25
—German developments ... Apr 28, Apr 36, Apr 50
—Skeist survey ..... May 57
—Hypalon under the bonnet Jul 40
—Elastogran bumpers ..... Jul 43
lorry panels ..... Oct 62
—PU racing car skirts ..... Sep 50
Cable ..... Mar 11, May 10
Civil engineering and construction—motorway bearing pads Apr 35
—PU window frames ..... Apr 52
—Thames flood barrier ..... May cover, May 32
—earthquake protection ... May 26
—PU in mining ..... Sep 46
—sewer lining ..... Sep 50
—Ruberoid Polybit roofing Sep 56
—Hypalon roofing ..... Dec 33
Corrosion resistance—Irathane International ..... Feb 59
—Regal International Tide-Coat ..... Mar 30
—Viton sleeves for glow plugs ..... May 55
—PU-line sand classifiers .. Sep 52
Design—Harboro Rubber Co booklet ..... Feb 12
Electrical—Porter Acid Resistant Electrical Switchboard Matting ..... May 55
Heat insulation—for liquid gas tanker ..... Mar 25
—PU roofing ..... Apr 52
—on crude oil tanks ..... Apr 59
—Skeist survey ..... May 57
Hose—Polish developments .. Feb 25
—scented garden hose ..... Sep 14
Marine—Resinex urethane buoy ..... Feb 59
—ship bow thruster bearing Sep 56
Materials handling—Aerofoam Industries PU conveyor rollers ..... Feb 63
—Conveyor Improvements Vari-Angle Impact Saddles Feb 63
—Dunlop belting ..... Mar 10, Apr 58
—Avon Flexitank ..... Apr 27
—Porter tank and chute linings ..... Apr 56
—PU-lined sand classifiers Sep 52
Medical—urethane blood vessels ..... Feb 59
—self-sealing rubber for vial caps ..... Mar 40
—use of amino crosslinking Apr 24
Miscellaneous—TASSO magnet bearings ..... Apr 35
—PU drive belts ..... Apr 52
—PU springs ..... Apr 50
—PU cap to prevent assembly damage ..... Apr 63
—PU computer casings ..... Sep 51
—PU furniture ..... Sep 52
—Bellofram oil-resistant diaphragm ..... Oct 54
—Baydur PU suitcase ..... Oct 62
Noise control—Karsten Bech-Andersen booklet ..... Feb 12
—insulation handbook ..... Mar 51
—Elastogran Puromat NG processing system ..... Mar 52
Seals—Viton valve seal ..... Apr 25
—Thames flood barrier ..... May cover, May 32
—Hydrotite water-expandable sealing compound .. Jul 40
—Varnamo sealing/glazing strips ..... Sep 56
—sealant market reports ... Oct 12
Sheeting—BRMA guide ..... Mar 51
Solar panels—Pirelli/Bridgestone ..... Feb 19
Sport—Avon Polysportsurface Apr 59
Chamois golf grip ..... May 18
—Clubturf synthetic grass .. Apr 59
—"Polymeric surfaces for sport and recreation" ... Jun 141
—perfumed tennis balls ... Sep 14

Reclamation

Reclaiming salt from vulcanising baths ..... Feb 48
Dutch scrap tyre initiative ..... Mar 7, Mar 20, Dec 8
Tyrolysis ..... Mar 17
Advantage of LIM tyres ..... Dec 16
Using scrap tyres ..... Dec 17
Pyrolysis—Heat extraction from tyres ..... Dec 20
Ground tyres as fillers ..... Dec 24
Pallmann thermoplastic reclamation ..... Nov 41
Fogg & Young guillotines .... Nov 41
Refurbishing machinery ..... Dec 29
Re-covering with urethanes .. Dec 40

Tyres

Markets—Denmark ..... May 20
—Europe ..... Feb 23
—France ..... Feb 20, May 19, Jul 16
—Germany ..... Apr 14, Apr 36
—Holland ..... Mar 21
—Italy ..... Feb 19, Nov 15, Nov 30
—Japan ..... Feb 24, Apr 6, May 24
—Sweden ..... Oct 18
—Switzerland ..... Jul 26
—USA ..... Feb 32, Sep 12
British repair standard ..... Feb 12
British tyre regulations ..... Apr 14
British call to destroy rejects . Apr 17
Dutch scrap initiatives ..... Mar 7, Mar 20, Dec 8
Italian retreading ..... Nov 28
Malaysian capacity too high .. Oct 16
New Swedish company ..... May 24
Continental—sells to Japan ... Mar 23
—aims at US lift truck market ..... Apr 19
Dunlop—SP Sport Super D-4, —D-6 ..... Apr 38
—SP Elite ..... May 15, Oct 23
—SP4 ..... May 15
—D2-D7 ..... May 15
—history of the tyre ..... Feb 12
—Michelin Denloc agreement May 15
—Malaysian plans ..... Oct 16
Firestone—F-222 ..... Jul 24, Oct 23
Fulda—Ecotrans ..... Mar 23, Apr 38
Goodyear—G124 ..... Mar 30
—drag research ..... Apr 24
—insurance discount ..... Apr 26
—out of motorcycle tyres ... Jul 11, Sep 12
Kleber—C1 ..... Dec 11
Maloya—profile ..... Jul 27
Michelin—TRX-E ..... Oct 22
—research ..... Feb 17, 18
Phoenix—Stahlflex 3011VR .... Apr 38
Pirelli—CRN36 ..... Nov 30
—P3 ..... Nov 30
—P4 ..... Nov 30
—P6 ..... Nov 30
—P7 ..... Nov 30
—P8 ..... Oct 22, Nov 30
—heavy vehicle tyres ..... Nov 13
Polyair—PU LIM tyre ..... Sep 38, Dec 3, Dec 7, Dec 14
Bonding mixes to vulcanised substrates ..... Feb 50
Recycling ..... Mar 7, Mar 17, Mar 20, Dec 17, Dec 20, Dec 24
Silica fillers ..... Apr 45
Automatic tyre equipping ..... May 24
History ..... Jun 56, Jun 63, Jun 64, Jun 83, Jun 87
Influence on car design ..... Jun 63
Tire or tyre? ..... Jun 85
History of the radial ..... Jun 87
Effects of car slump ..... Jul 8
"Mechanics of pneumatic tyres" Jul 39
Safety of aircraft tyres ..... Oct 3, Oct 9
Low rolling resistance ..... Oct 22
Space Shuttle tyres ..... Oct 29